



**Triacell®**

## characteristics



economic



reusable



food approved



easily  
processable



washable



high rigidity



insulating



sterilisable



shockproof



strong and durable



good rupture and  
tear resistance



possible  
to laminate



dust and  
fibre free



ecological



water and  
moisture  
resistant



good chemical  
resistance



high compression  
strength



light-weight



soundproof



smooth top and  
bottom layer

## possible processing



cutting



die cutting



welding



bonding



sterilising



recycling



printing

## possible treatments



flame  
retardant



UV stabilizer



antistatic



corona  
treatment

## Triacell®

Is an extruded polypropylene sheet consisting of 3 layers with a cell structured core and a smooth top and bottom layer.

## Triaprint®

Corona treated Triacell® sheet, is suitable for screen and digital printing.

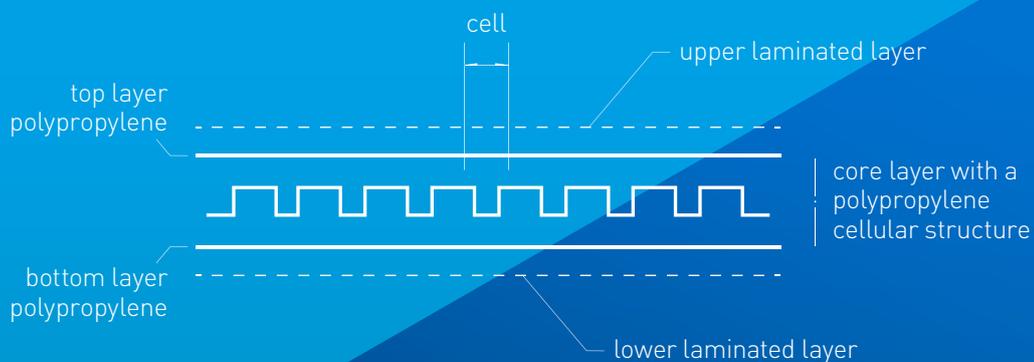
## Trialux®

Trialux® is an online laminated Triacell® sheet. A wide range of PP-based laminates gives Trialux® an aesthetic added value.

**Triacell**<sup>®</sup> is an extruded polypropylene sheet consisting of 3 layers. The central layer is a cell structured layer. The top and bottom layer are 2 smooth layers. The cell structure is the core of this sheet. This gives **Triacell**<sup>®</sup> its principal characteristics: a high rigidity and a high compression strength, combined with a light weight.

The smooth upper and lower layer make this sheet perfectly suitable for printing. The possibility to laminate this sheet enlarges the applications.

**Triacell**<sup>®</sup> can be processed into packaging, layer pads, product dividers, ...



# Triacell<sup>®</sup>



Flight cases, luggage  
and instrument cases

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## applications

protective packaging, container sleeves, construction applications, displays,  
pallet protection, floor and wall panels (exhibition stands), boxes, dividers, ...



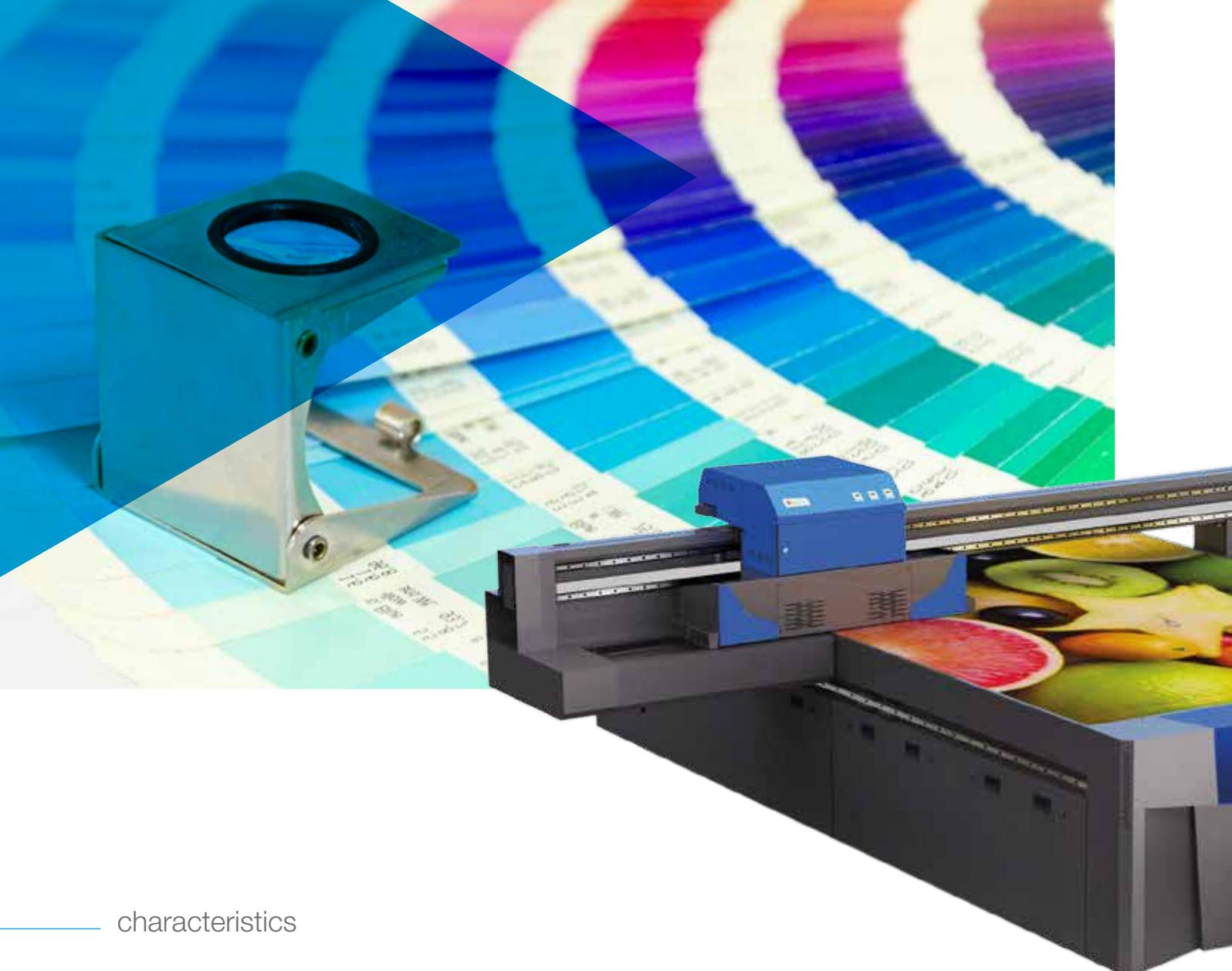


container sleeves

protective packaging

covering of cargo spaces

**Triacell®**



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## applications

screen and digital printing, billboards, printed panels, real estate signs, signage, construction signs, visual communication, displays, packaging, POS, ...





exhibition booths



print



billboards



Triaprint® is a flat and smooth sheet with a cell structure. It has the same unique characteristics as standard Triacell® sheet. Triaprint® has a corona treatment and has a very smooth surface which is ideal for printing (screen and digital). The sheet doesn't require any pre-treatment and can be further processed (die-cutting, bonding, welding) into displays, ...

# Triaprint®

**Trialux®** is a flat sheet with a cell structure. It has the same unique characteristics as a standard Triacell® sheet. Trialux® can optionally be laminated one- or two-sided.

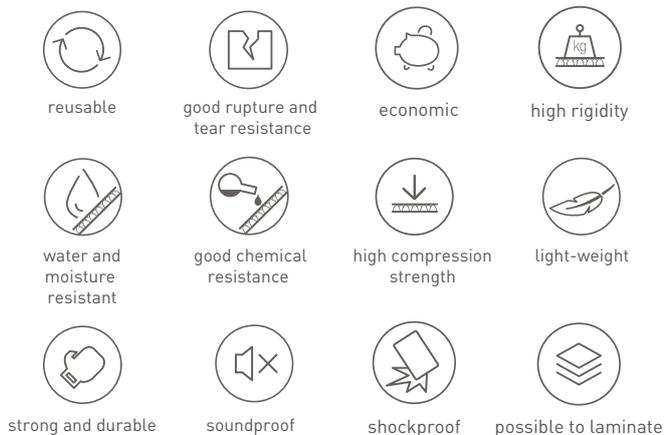
A wide range of PP-based laminates give **Trialux®** both an aesthetic added value and a technical/functional advantage, to suit your specific application.

This gives **Trialux®** a large field of application possibilities. The sheet can be further processed into boxes/trays/dividers/...

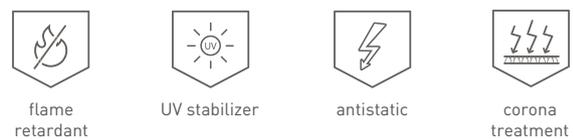
Available laminates:

Anti-slip, PP foam, spun bond, non-woven, wood imitation, textile, silver & gold foil, decorative & pre-printed films, ...

## characteristics



## possible treatments



## applications

decorative panels (wood imitation), sheets with a membrane, sheets with a non-woven film, sheets with a foam layer, ...



decorative panels  
wood imitation, available in different colours

A wide range of PP-based laminates give **Trialux®** both an aesthetic added value and a technical/functional advantage to suit your specific application.

food pads



# Trialux®

flight cases,  
luggage containers



instrument cases

**Trialux®**

a variety of  
applications

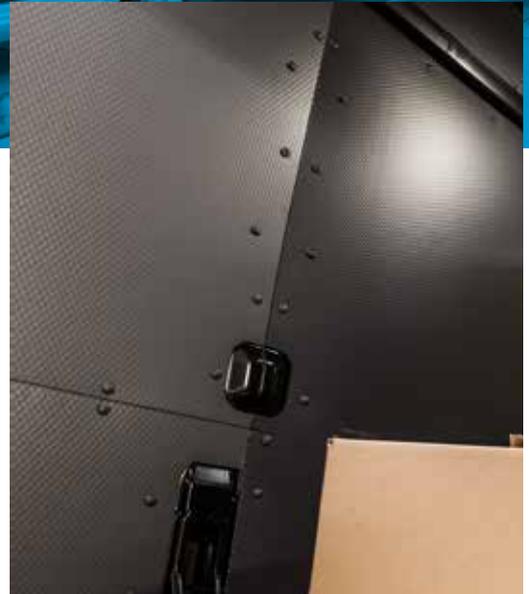
decorative panels  
wood imitation,  
available in different colours





### textile

The use of various non-woven films or spunbonds gives Trialux® a high grade finish.



### shockproof / protective

A foam layer laminated onto a Triacell® sheet prevents damage or scratches to your products.

### protective packaging

Sheets with a soft textile layer or foam layer make sure your goods are transported and delivered in perfect condition.



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# Material properties

**Triacell**® is an extruded sheet consisting of 3 layers, the middle layer is shaped online into a cell structure. Afterwards, 2 smooth layers are coextruded on the top and bottom.

The raw material of **Triacell**® is a polypropylene copolymer. This raw material is perfectly recyclable (class 5) and is FDA approved.

The internal structure of multiple layers give **Triacell**® a soundproof and insulating characteristic.

Optionally, sheets can be treated in different ways:

UV treatment (long term outdoor use), antistatic treatment, flame retardant treatment, colouring (in RAL), different colours (top layer / bottom layer).

If requested, following laminates can be applied:

Conductive/ESD laminate, VCI laminate, (geo) textile, non-woven, anti-slip, pre-printed and decorative (wood imitation/silver foil/...) films.

**Triacell**® sheets can be converted afterwards to meet your specific packaging requirements.

**Triacell**® is also suitable for use in medical applications and applications in the food industry (FDA approved). The sheet can also be sterilized.

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# Triacell®

## delivery program

Triacell® sheets can be produced with widths up to 2.050 mm.

There's a wide range of thicknesses / cell diameter / weights available with thicknesses ranging from 1.8 mm up to 10 mm and weights from 250 gr up to 3.500 gr/m<sup>2</sup>.

Triacell® is available in various standard colours. Specific colours are available upon request. Triacell® can be cut to size.

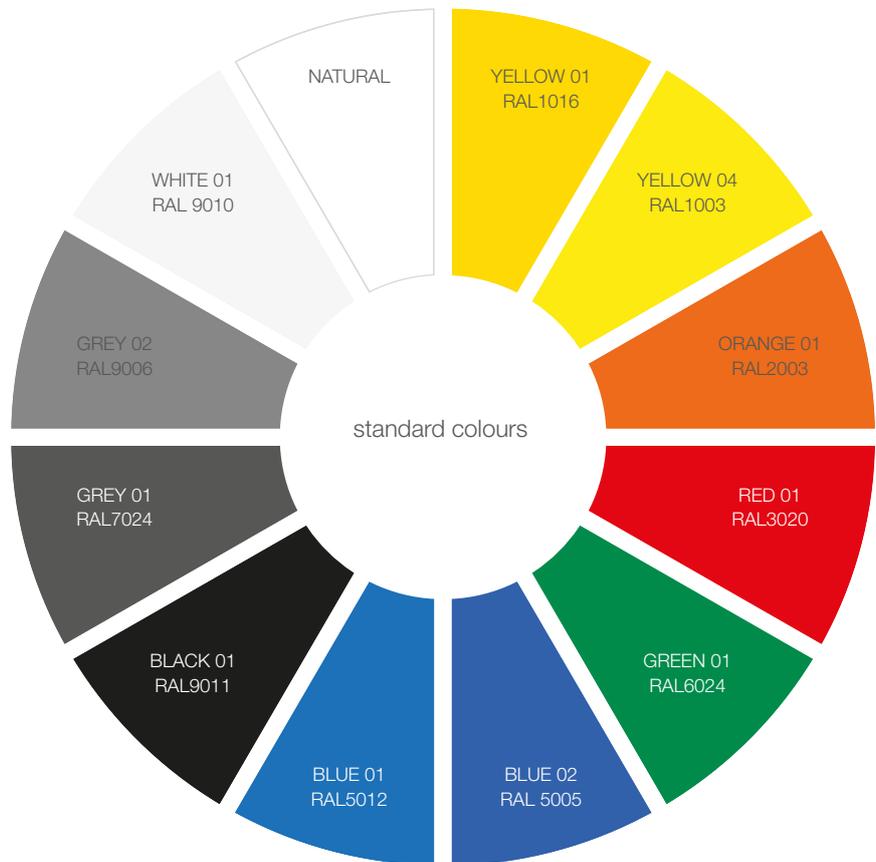
Additional product information and detailed processing instructions can be found on our website: [www.iplast.be](http://www.iplast.be)





standard colours

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**Industrial Plastics Belgium** (I.P.B. nv) was founded in 1984 and is specialised in the extrusion of high quality plastic sheets. Continuous investments in high-tech extrusion plants and the ongoing research and development have brought us the possibility to supply our customers with high quality and competitive products.

A drive for innovation, entrepreneurship, open communication and a no-nonsense policy are core values that made I.P.B. grow into one of the market leaders in its sector. Quality is key at I.P.B., High quality products are the result of thoughtful quality standards and sophisticated procedures. Our company is therefore ISO 9001 certified since 1996.

I.P.B. values the environment! Optimal use of energy, water recuperation, re-granulation and the re-extrusion of our waste causes our production process to have a minimal environmental impact. Customer satisfaction together with an eye for details, are decisive factors at I.P.B. With this we guarantee our customers an ultimate service. Devoted personnel and accurate deliveries to all corners of the world form the most reliable cornerstones for our organisation. We have the knowledge and are at your service to satisfy your future challenges and desires ...



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